

02-27-06

lfr  
\$

PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

<b>TRANSMITTAL FORM</b> (to be used for all correspondence after initial filing)	Application Number	10/604,120	
	Filing Date	June 26, 2003	
	First Named Inventor	Karl M. Armagost	
	Art Unit	2656	
	Examiner Name	Tianjie Chen	
Total Number of Pages in This Submission	463	Attorney Docket Number	1046_026

**ENCLOSURES (check all that apply)**☒ Fee Transmittal Form☒ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☒ Information Disclosure Statement☐ Certified Copy of Priority Document(s)☐ Reply to Missing Parts/ Incomplete Application☐ Reply to Missing Parts under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a Provisional Application☐ Power of Attorney, Revocation Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s)☐ Landscape Table on CD☐ After Allowance Communication to Technology Center (TC)☐ Appeal Communication to Board of Appeals and Interferences☐ Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)  
(please identify below):

References BI - BK (456 pages); Return Mailroom Postcard; Certificate of Express Mailing; and our check in the amount of \$180.00.

Remarks

The Commissioner is authorized to charge any additional fees to Deposit Account No. 50-0289.**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

or  
Individual name

Wall Marjama &amp; Bilinski LLP

Indranil Mukerji

Reg. No. 46,944

Signature

Date

February 24, 2006

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service using the Express Mail Post Office To Addressee service per 37 CFR 1.10 under Express Mail No. EV678064892US addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 24, 2006.

Typed or printed name

Cynthia Losurdo

Signature

Cynthia Losurdo

Date

February 24, 2006

**Complete if Known**

<b>Application Number</b>	10/604,120
<b>Filing Date</b>	June 26, 2003
<b>First Named Inventor</b>	Karl M. Armagost
<b>Examiner Name</b>	Tianjie Chen
<b>Art Unit</b>	2656
<b>Attorney Docket No.</b>	1046_026

TOTAL AMOUNT OF PAYMENT	\$180.00
-------------------------	----------

**METHOD OF PAYMENT** (check all that apply)

☒ **Deposit Account** Deposit Account Number: 50-0289 Deposit Account Name: Wall Marjama & Bilinski LLP

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☒ Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

## FEE CALCULATION


	FILING FEES		SEARCH FEES		EXAMINATION FEES		
<u>Application Type</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	<u>Fee (\$)</u>	<u>Small Entity Fee (\$)</u>	<u>Fees Paid (\$)</u>
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

<b>2. EXCESS CLAIM FEES</b>								<b><u>Small Entity</u></b>
<b><u>Fee Description</u></b>							<b><u>Fee (\$)</u></b>	<b><u>Fee (\$)</u></b>
Each claim over 20 (including Reissues)							50	25
Each independent claim over 3 (including Reissues)							200	100
Multiple dependent claims							360	180
<b><u>Total Claims</u></b>		<b><u>Extra Claims</u></b>		<b><u>Fee (\$)</u></b>		<b><u>Fee Paid (\$)</u></b>	<b><u>Multiple Dependent Claims</u></b>	
	- 20 or HP =		x		=		<b><u>Fee (\$)</u></b>	<b><u>Fee Paid (\$)</u></b>
HP= highest paid number of total claims paid for, if greater than 20								
<b><u>Indep. Claims</u></b>		<b><u>Extra Claims</u></b>		<b><u>Fee (\$)</u></b>		<b><u>Fee Paid (\$)</u></b>		
	- 3 or HP =		x		=			
HP =highest number of independent claims paid for, if greater than 3								

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a) (1)(G) and 37 CFR 1.16(s).

<b>4. OTHER FEES</b>	<b>Fees Paid</b>
----------------------	------------------

	(\$)
Non-English Specification, \$130 fee (no small entity discount)	
Other (e.g., late filing surcharge); <del>Submission of Information Disclosure Statement - Fee Code 1806 37 CFR 1.17(p)</del>	\$180.00

Signature		Registration No. 46,944 (Attorney/Agent)	Telephone 315-425-9000
Name (Print/Type)	Indranil Mukerji		Date February 24, 2006



Attorney Docket No.: 1046\_026

PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Karl M. Armagost; Edwin J. Wadsworth; Neal A. Downey; Christian C. Curtis; Matthew T. Starr; and Ray D. Heineman

Serial No.: 10/604,120

Art Unit: 2656

Filed: June 26, 2003

Examiner: Tianjie Chen

Title: MAGAZINE-BASED DATA CARTRIDGE LIBRARY

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 24, 2006, under "EXPRESS MAIL" mailing label number EV678064892US.

*Cynthia Losurdo*  
Cynthia Losurdo

INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. § 1.56 and M.P.E.P. § 2001.06(b), Applicant submits the following Information Disclosure Statement, and directs the attention of the United States Patent and Trademark Office to the commonly owned co-pending applications (including art cited therein) listed on the attached Form PTO/SB/08A. Copies of references BI – BK are enclosed.

The information is presented so that the U.S. Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. § 1.104(a) and § 1.105 (concerning the PTO duty to consider and use any such information). The listed application(s) may contain technical subject matter related to that of the present invention. This identification is not to be construed as a waiver of confidentiality or secrecy as to the cited application(s) now or upon issuance of the present application as a patent.

Applicant respectfully requests that the Examiner expressly consider the information disclosed herein during the prosecution of this application, that the Examiner initial the

corresponding box on the enclosed Form PTO/SB/08A.

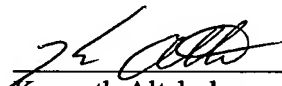
This Information Disclosure Statement "shall not be construed as a representation that a search has been made." See 37 C.F.R. § 1.97(g). This Information Disclosure Statement "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)." See 37 C.F.R. § 1.97(h).

The present Information Disclosure Statement is being filed (1) more than three months from the application's filing date and (2) after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Office Action or Notice of Allowance 37 C.F.R. § 1.97(c) and therefore a fee under 37 C.F.R. § 1.17(p) is required. A check in the amount of \$180.00 is enclosed.

The Commissioner is hereby authorized to charge any additional fees associated with this submission, or credit any overpayment, to Deposit Account No. 50-0289.

Respectfully submitted,

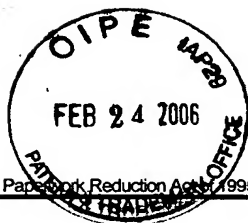
Dated: 2/22/06

  
\_\_\_\_\_  
Kenneth Altshuler  
Reg. No. 50,551

Correspondence Address:

WALL MARJAMA & BILINSKI LLP  
101 South Salina Street, Suite 400  
Syracuse, New York 13202  
Telephone: (315) 425-9000  
Facsimile: (315) 425-9114

Customer No.: **20874**



PTO/SB/08A (07-05)

Approved for use through 07/31/2006. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Express Mail Label No. EV678064892US

Sheet

1

of

2

**Complete if Known**

Application Number	10/604,120
Filing Date	June 26, 2003
First Named Inventor	Karl M. Armagost
Art Unit	2656
Examiner Name	Tianjie Chen
Attorney Docket Number	1046_026

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US Patent Application No. 10/950,613		Starr et al.	
	AB	US Patent Application No. 10/951,321		Wong	
	AC	US Patent Application No. 10/980,594		Fenske et al.	
	AD	US Patent Application No. 11/011,812		Starr et al.	
	AE	US Patent Application No. 11/019,911		Curtis et al.	
	AF	US Patent Application No. 11/037,985		Permut et al.	
	AG	US Patent Application No. 11/040,937		Starr et al.	
	AH	US Patent Application No. 11/089,749			
	AI	US Publication No. US 2005-0219964 A1	10-06-2005	Pollard et al.	
	AJ	US Publication No. US 2005-0185323 A1	08-25-2005	Brace et al.	
	AK	US Publication No. US 2004-0105187 A1	06-03-2004	Woodruff et al.	
	AL	US Publication No. US 2004-0223253 A1	11-11-2004	Woodruff et al.	
	AM	US Publication No. US 2004-0264041 A1	12-30-2004	Kumpon et al.	
	AN	US Publication No. US 2004-0264038 A1	12-30-2004	Heineman et al.	
	AO	US Publication No. US 2004-0264039 A1	12-30-2004	Armagost et al.	
	AP	US Publication No. US 2004-0264037 A1	12-30-2004	Downey et al.	
	AQ	US Publication No. US 2005-0007692 A1	01-13-2005	Thompson et al.	
	AR	US Publication No. US 2004-0264042 A1	12-30-2004	Pollard et al.	
	AS	US Publication No. US 2005-0065637 A1	03-24-2005	Lantry et al.	
	AT	US Publication No. US 2005-0246484 A1	11-03-2005	Lantry et al.	
	AU	US Publication No. US 2005-0267627 A1	12-01-2005	Lantry et al.	
	AV	US Publication No. US 2005-0063089 A1	03-24-2005	Starr et al.	
	AW	US Publication No. US 2005-0047258 A1	03-03-2005	Starr et al.	
	AX	US Publication No. US 2005-0057847 A1	03-17-2005	Armagost et al.	

Examiner  
SignatureDate  
Considered

<sup>1</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>2</sup> Applicant's unique citation designation number (optional). <sup>3</sup> See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Express Mail Label No. EV678064892US

Sheet **2** of **2****Complete if Known**

Application Number	10/604,120
Filing Date	June 26, 2003
First Named Inventor	Karl M. Armagost
Art Unit	2656
Examiner Name	Tianjie Chen
Attorney Docket Number	1046_026

**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AY	US Publication No. US 2005-0195517 A1	09-08-2005	Brace et al.	
	AZ	US Publication No. US 2005-0195518 A1	09-08-2005	Starr et al.	
	BA	US Publication No. US 2005-0195519 A1	09-08-2005	Kumpon et al.	
	BB	US Publication No. US 2005-0195520 A1	09-08-2005	Starr et al.	
	BC	US Patent Application No. 11/123,725		Rector et al.	
	BD	US Patent Application No. 11/126,025		Rector et al.	
	BE	US Patent Application No. 11/145,768		Downey et al.	
	BF	US Patent Application No. 11/230,146		Starr et al.	
	BG	US Patent Application No. 11/240,893		Starr et al.	
	BH	US Patent Application No. 11/264,920		Lantry et al.	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
	BI		PCT Application No. US05/45168			Spectra Logic Corporation		<input type="checkbox"/>
	BJ		PCT Application No. US05/46447			Spectra Logic Corporation		<input type="checkbox"/>
	BK		International Publication No. WO 2005/010661	A2	02-03-2005	Spectra Logic Corporation		<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>
								<input type="checkbox"/>

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kind Codes of U.S. Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.